

Publication Title:

FIELD-OF-VIEW CONTROLLING ARRANGEMENTS

Abstract:

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A field-of-view controlling arrangement such as a privacy screen includes a single microprism or lenticular sheet having a plurality of sets of parallel surfaces that intersect to form prisms or lenticular structures, and in which field-of-view control is achieved by (i) for sheets made up of parallel "one-dimensional" microprism or lenticular 1305 structures having at least two intersecting sets of mutually parallel surfaces, altering at least two sets of the mutually parallel surfaces, and/or portions of the at least two sets of mutually parallel surfaces, by applying a light-attenuating treatment, (ii) for sheets made up of polyhedral lenticular structures having at least three intersecting sets of mutually parallel surfaces, or at least one set of curved surfaces extending in directions transverse to directions in which the field-of-view is to be limited, altering at least one set of the mutually parallel or curved surfaces by applying a light-attenuating treatment, or (iii) for any type of microprism or lenticular sheet, including a diffusing agent in at least a portion of the sheet, and arranging the surfaces of the microprism or lenticular sheet so that light transmitted along selected optical paths is attenuated before exiting the sheet.

A field-of-view controlling arrangement includes a lenticular sheet (26) having a plurality of sets of parallel surfaces (20, 21) that intersect to form lenticular structures.

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